

# ABSTRACT

*The present invention relates to a method improving the ratio of the useful-signal power to the power of interference signals at an antenna (ANT) which comprises at least one sensor ( $C_1$  through  $C_N$ ) and is characterized in that it consists in filtering the output signal of said antenna (ANT) using a filter ( $W$ ) of which the transfer function  $\{W(t), W(t, f)\}$  equals the ratio of two linear functions of the power  $\{\hat{p}_y(t), \hat{p}_y(t, f)\}$  at the output of the antenna (ANT) to the power  $\{\hat{p}_x(t), \hat{p}_x(t, f)\}$  at the input of the antenna (ANT). The invention also relates to antenna processing systems and methods.*